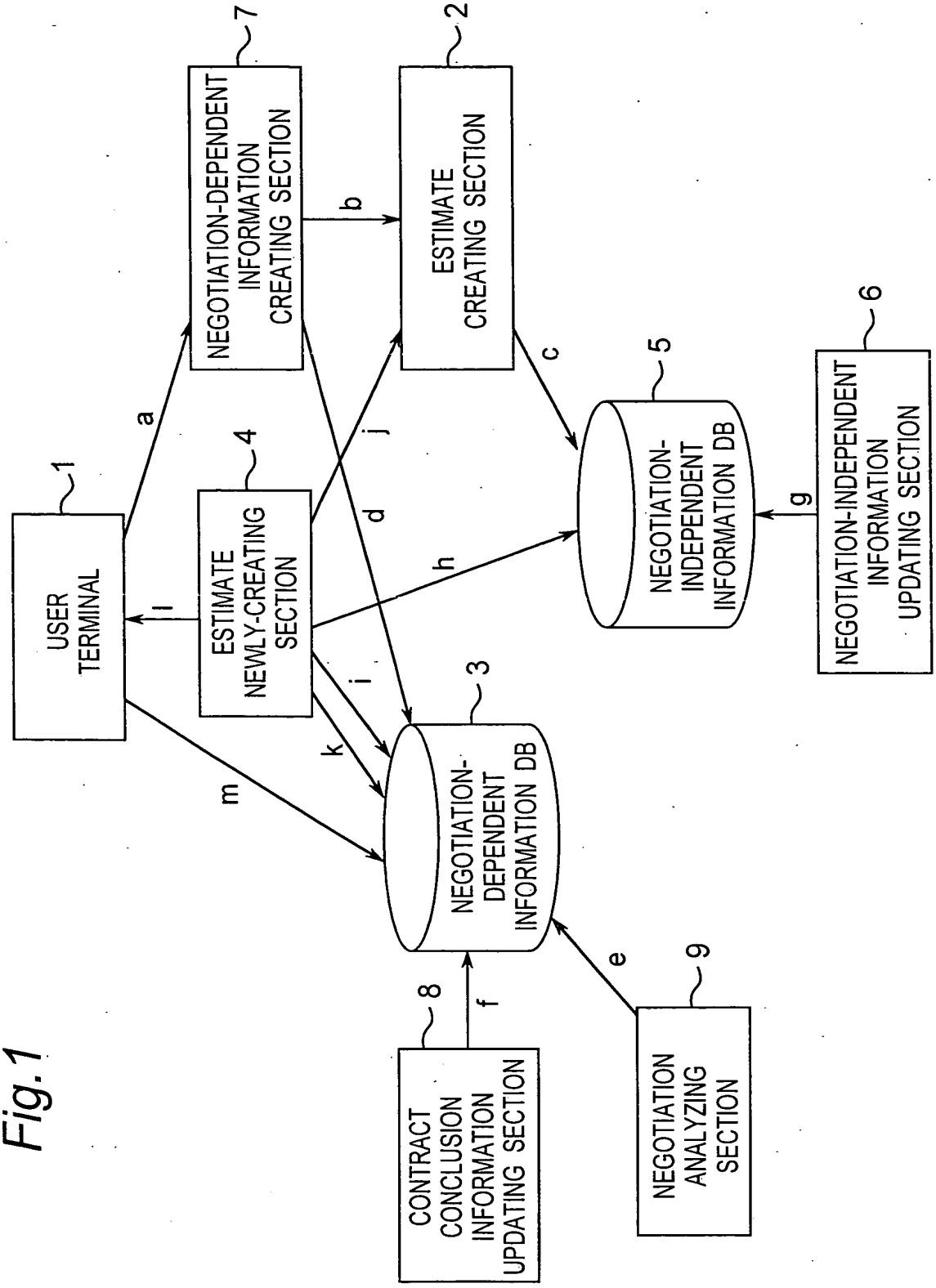
Fig.1


USER TERMINAL
1
NEGOTIATION-DEPENDENT INFORMATION CREATING SECTION
7
ESTIMATE CREATING SECTION
2
ESTIMATE NEWLY-CREATING SECTION
4
NEGOTIATION-INDEPENDENT INFORMATION DB
5
NEGOTIATION-INDEPENDENT INFORMATION UPDATING SECTION
6
NEGOTIATION-DEPENDENT INFORMATION DB
3
CONTRACT CONCLUSION INFORMATION UPDATING SECTION
8
NEGOTIATION ANALYZING SECTION
9
a
b
c
d
e
f
g
h
i
j
k
l
m

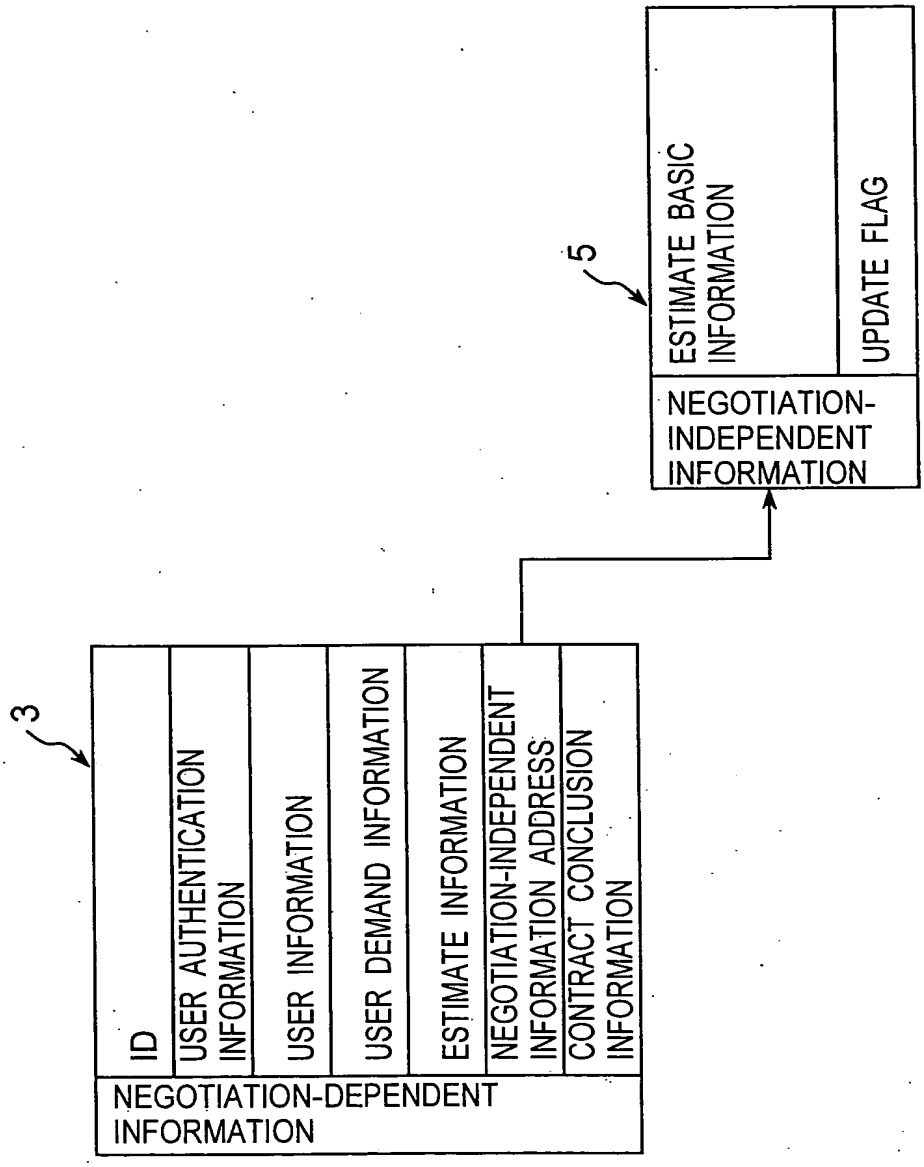

3
ID
USER AUTHENTICATION INFORMATION
USER INFORMATION
USER DEMAND INFORMATION
ESTIMATE INFORMATION
NEGOTIATION-INDEPENDENT INFORMATION ADDRESS
CONTRACT CONCLUSION INFORMATION
NEGOTIATION-DEPENDENT INFORMATION
5
ESTIMATE BASIC INFORMATION
UPDATE FLAG
NEGOTIATION-INDEPENDENT INFORMATION

Fig.2

Fig.3

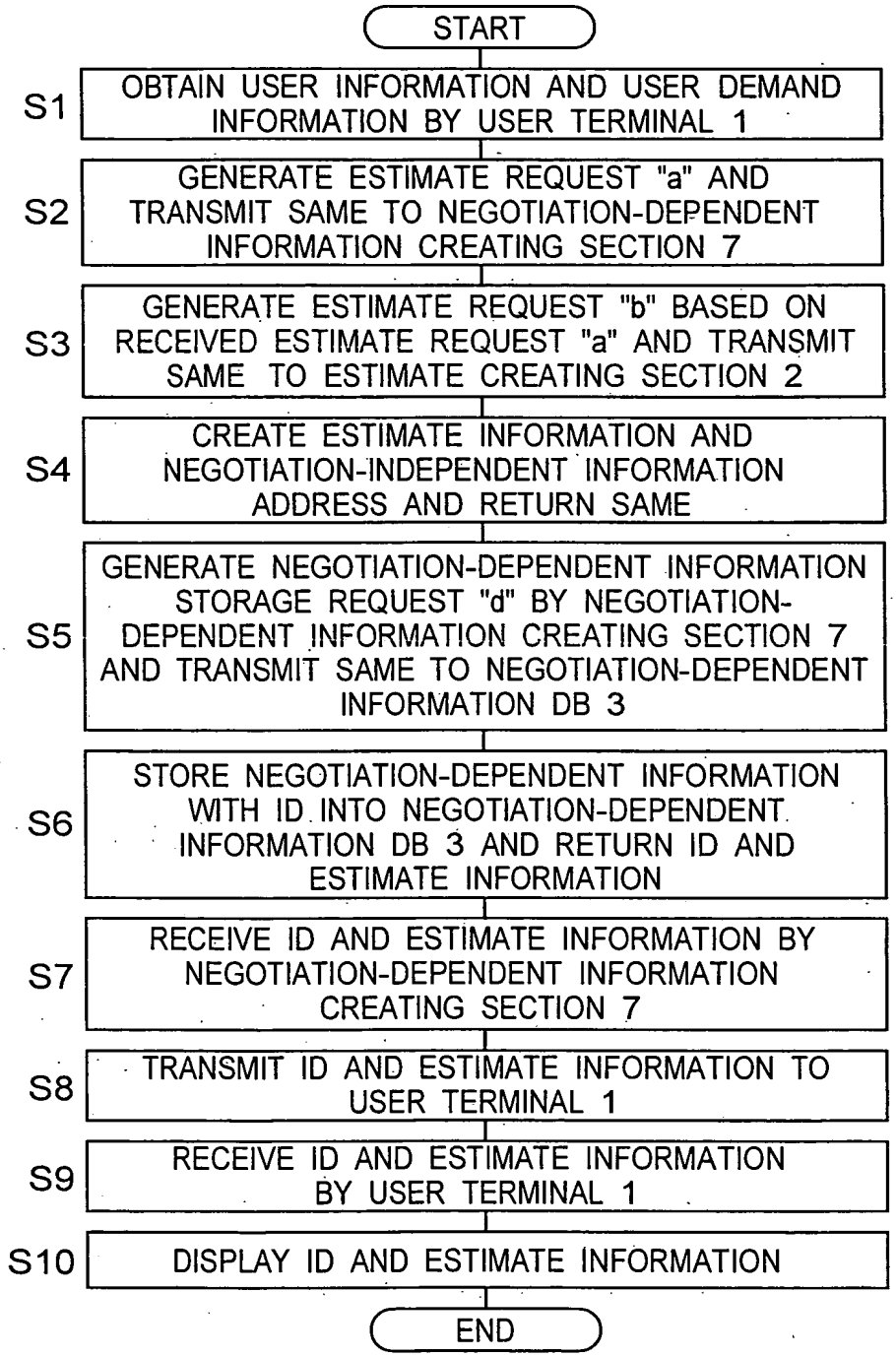

START
S1
OBTAIN USER INFORMATION AND USER DEMAND INFORMATION BY USER TERMINAL 1
S2
GENERATE ESTIMATE REQUEST "a" AND TRANSMIT SAME TO NEGOTIATION-DEPENDENT INFORMATION CREATING SECTION 7
S3
GENERATE ESTIMATE REQUEST "b" BASED ON RECEIVED ESTIMATE REQUEST "a" AND TRANSMIT SAME TO ESTIMATE CREATING SECTION 2
S4
CREATE ESTIMATE INFORMATION AND NEGOTIATION-INDEPENDENT INFORMATION ADDRESS AND RETURN SAME
S5
GENERATE NEGOTIATION-DEPENDENT INFORMATION STORAGE REQUEST "d" BY NEGOTIATION-DEPENDENT INFORMATION CREATING SECTION 7 AND TRANSMIT SAME TO NEGOTIATION-DEPENDENT INFORMATION DB 3
S6
STORE NEGOTIATION-DEPENDENT INFORMATION WITH ID INTO NEGOTIATION-DEPENDENT INFORMATION DB 3 AND RETURN ID AND ESTIMATE INFORMATION
S7
RECEIVE ID AND ESTIMATE INFORMATION BY NEGOTIATION-DEPENDENT INFORMATION CREATING SECTION 7
S8
TRANSMIT ID AND ESTIMATE INFORMATION TO USER TERMINAL 1
S9
RECEIVE ID AND ESTIMATE INFORMATION BY USER TERMINAL 1
S10
DISPLAY ID AND ESTIMATE INFORMATION
END

Fig.4

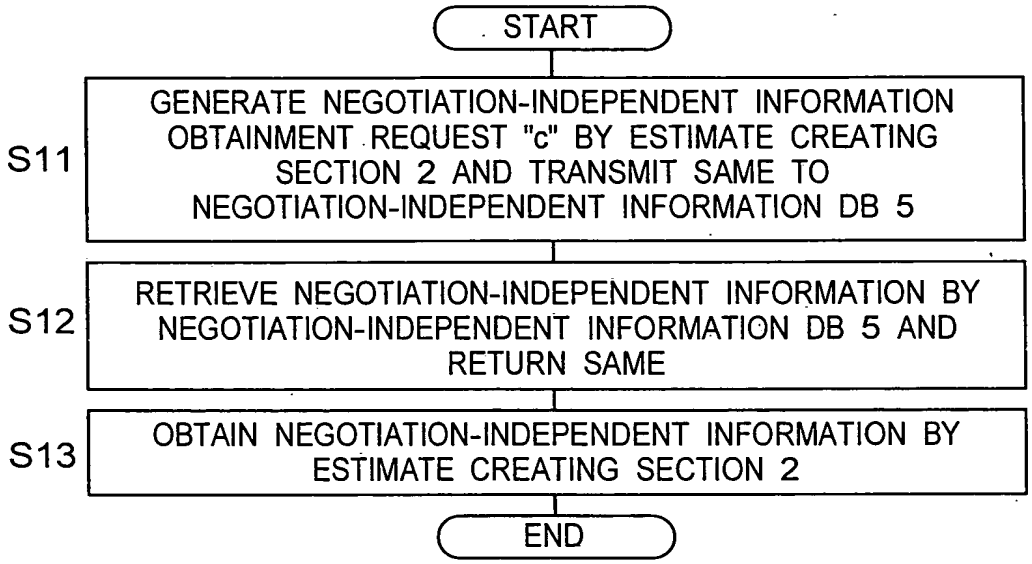

START
S11
GENERATE NEGOTIATION-INDEPENDENT INFORMATION OBTAINMENT REQUEST "c" BY ESTIMATE CREATING SECTION 2 AND TRANSMIT SAME TO NEGOTIATION-INDEPENDENT INFORMATION DB 5
S12
RETRIEVE NEGOTIATION-INDEPENDENT INFORMATION BY NEGOTIATION-INDEPENDENT INFORMATION DB 5 AND RETURN SAME
S13
OBTAIN NEGOTIATION-INDEPENDENT INFORMATION BY ESTIMATE CREATING SECTION 2
END

Fig.5

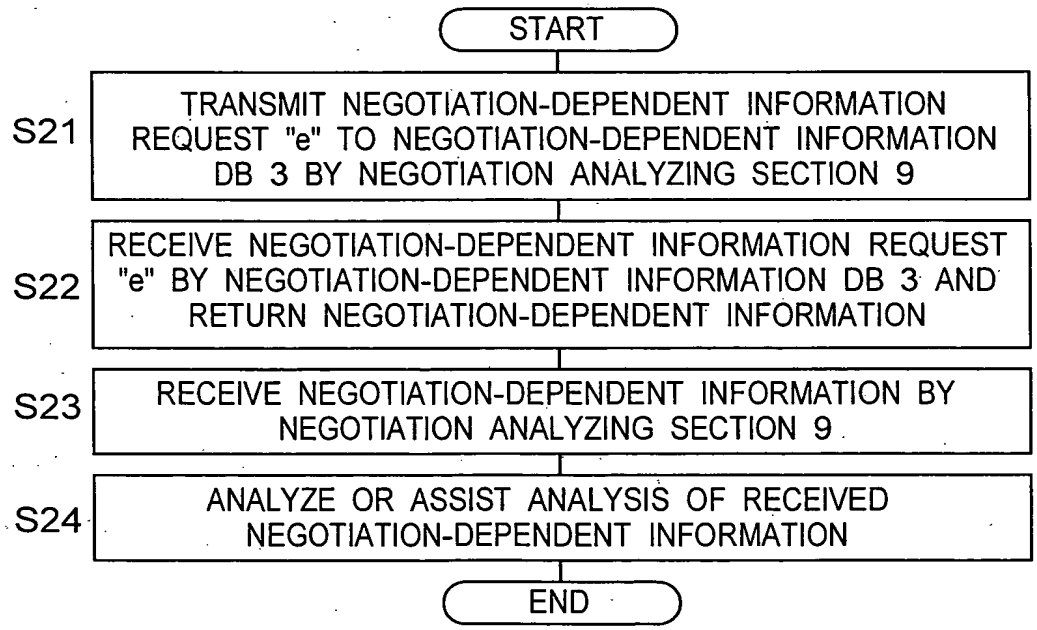

START
S21
TRANSMIT NEGOTIATION-DEPENDENT INFORMATION REQUEST "e" TO NEGOTIATION-DEPENDENT INFORMATION DB 3 BY NEGOTIATION ANALYZING SECTION 9
S22
RECEIVE NEGOTIATION-DEPENDENT INFORMATION REQUEST "e" BY NEGOTIATION-DEPENDENT INFORMATION DB 3 AND RETURN NEGOTIATION-DEPENDENT INFORMATION
S23
RECEIVE NEGOTIATION-DEPENDENT INFORMATION BY NEGOTIATION ANALYZING SECTION 9
S24
ANALYZE OR ASSIST ANALYSIS OF RECEIVED NEGOTIATION-DEPENDENT INFORMATION
END

Fig.6

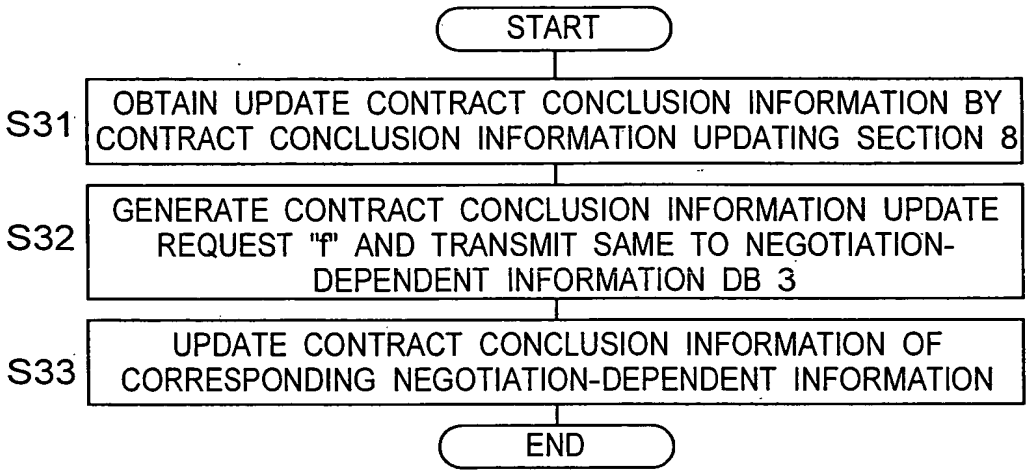

START
S31
OBTAIN UPDATE CONTRACT CONCLUSION INFORMATION BY CONTRACT CONCLUSION INFORMATION UPDATING SECTION 8
S32
GENERATE CONTRACT CONCLUSION INFORMATION UPDATE REQUEST "f" AND TRANSMIT SAME TO NEGOTIATION-DEPENDENT INFORMATION DB 3
S33
UPDATE CONTRACT CONCLUSION INFORMATION OF CORRESPONDING NEGOTIATION-DEPENDENT INFORMATION
END

Fig.7

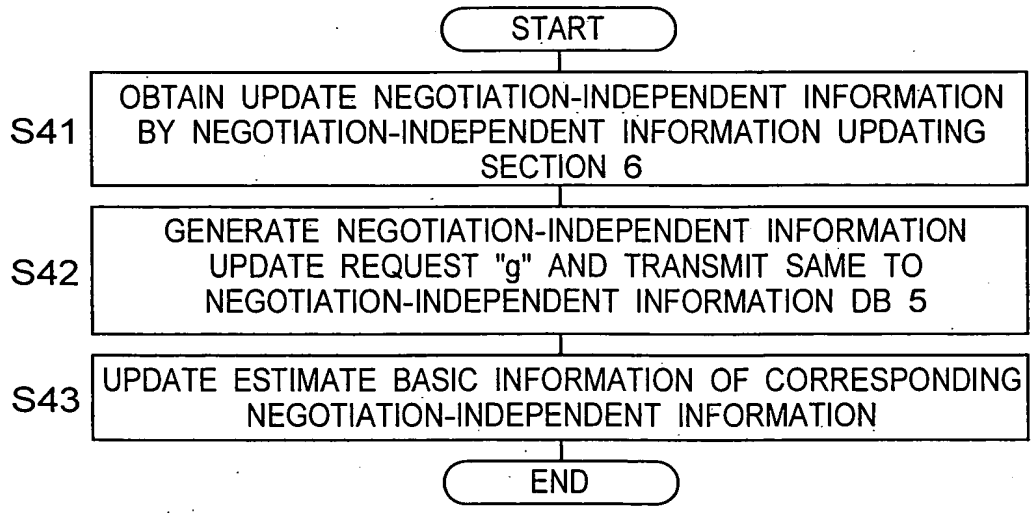

START
S41
OBTAIN UPDATE NEGOTIATION-INDEPENDENT INFORMATION BY NEGOTIATION-INDEPENDENT INFORMATION UPDATING SECTION 6
S42
GENERATE NEGOTIATION-INDEPENDENT INFORMATION UPDATE REQUEST "g" AND TRANSMIT SAME TO NEGOTIATION-INDEPENDENT INFORMATION DB 5
S43
UPDATE ESTIMATE BASIC INFORMATION OF CORRESPONDING NEGOTIATION-INDEPENDENT INFORMATION
END

Fig.8

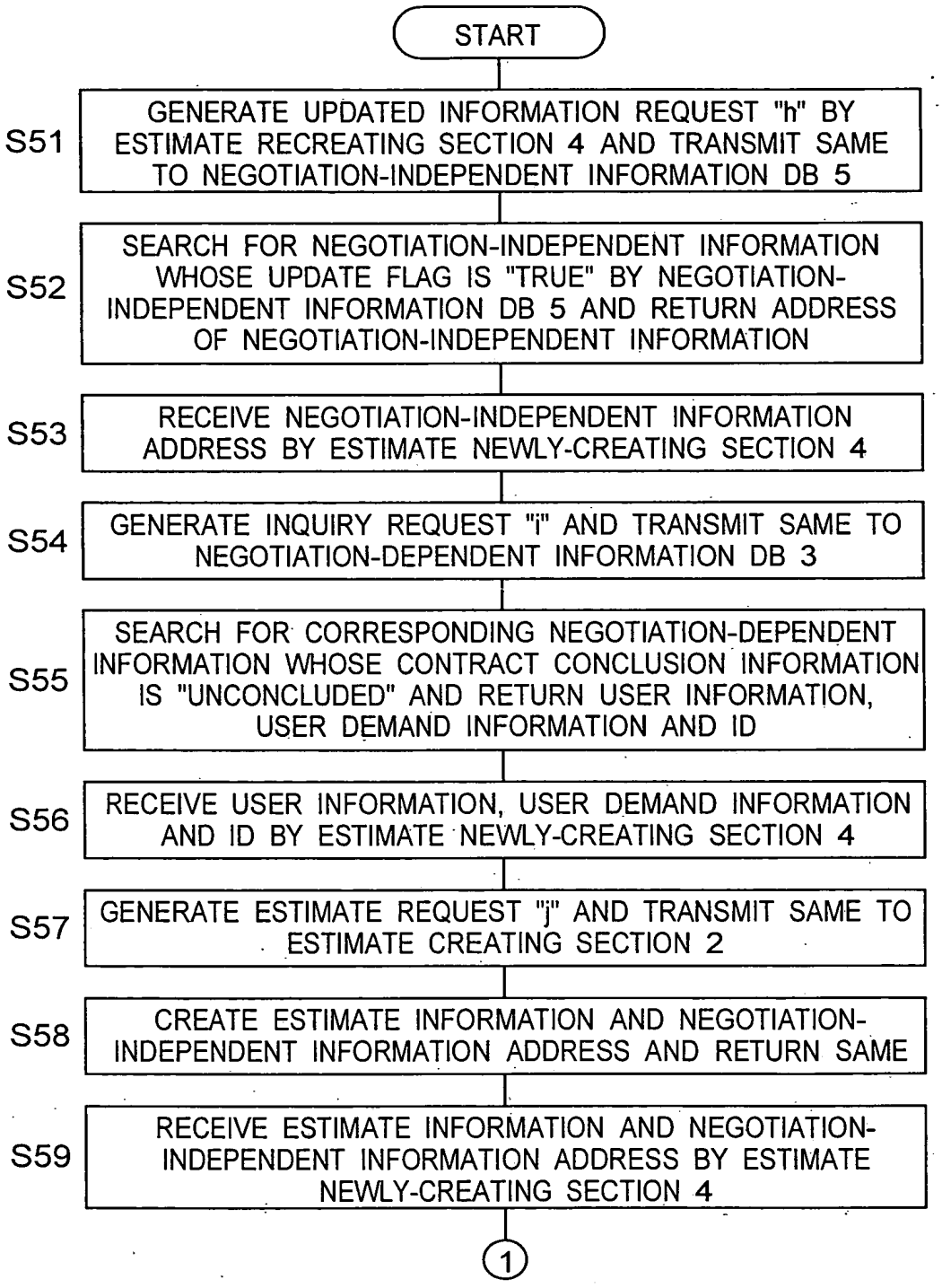

START
S51
GENERATE UPDATED INFORMATION REQUEST "h" BY ESTIMATE RECREATING SECTION 4 AND TRANSMIT SAME TO NEGOTIATION-INDEPENDENT INFORMATION DB 5
S52
SEARCH FOR NEGOTIATION-INDEPENDENT INFORMATION WHOSE UPDATE FLAG IS "TRUE" BY NEGOTIATION-INDEPENDENT INFORMATION DB 5 AND RETURN ADDRESS OF NEGOTIATION-INDEPENDENT INFORMATION
S53
RECEIVE NEGOTIATION-INDEPENDENT INFORMATION ADDRESS BY ESTIMATE NEWLY-CREATING SECTION 4
S54
GENERATE INQUIRY REQUEST "i" AND TRANSMIT SAME TO NEGOTIATION-DEPENDENT INFORMATION DB 3
S55
SEARCH FOR CORRESPONDING NEGOTIATION-DEPENDENT INFORMATION WHOSE CONTRACT CONCLUSION INFORMATION IS "UNCONCLUDED" AND RETURN USER INFORMATION, USER DEMAND INFORMATION AND ID
S56
RECEIVE USER INFORMATION, USER DEMAND INFORMATION AND ID BY ESTIMATE NEWLY-CREATING SECTION 4
S57
GENERATE ESTIMATE REQUEST "j" AND TRANSMIT SAME TO ESTIMATE CREATING SECTION 2
S58
CREATE ESTIMATE INFORMATION AND NEGOTIATION-INDEPENDENT INFORMATION ADDRESS AND RETURN SAME
S59
RECEIVE ESTIMATE INFORMATION AND NEGOTIATION-INDEPENDENT INFORMATION ADDRESS BY ESTIMATE NEWLY-CREATING SECTION 4
1

Fig.9

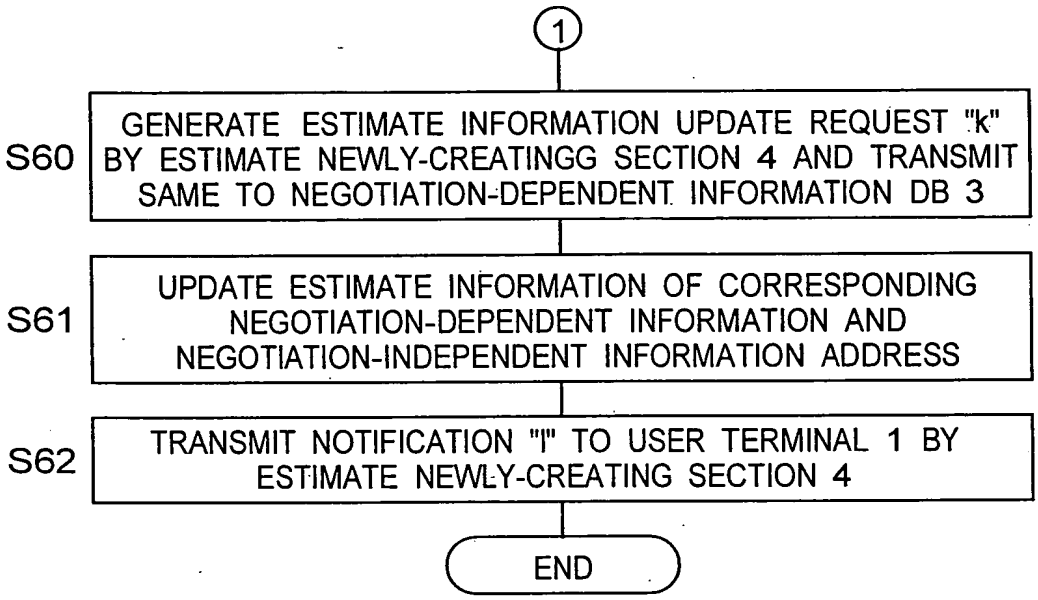
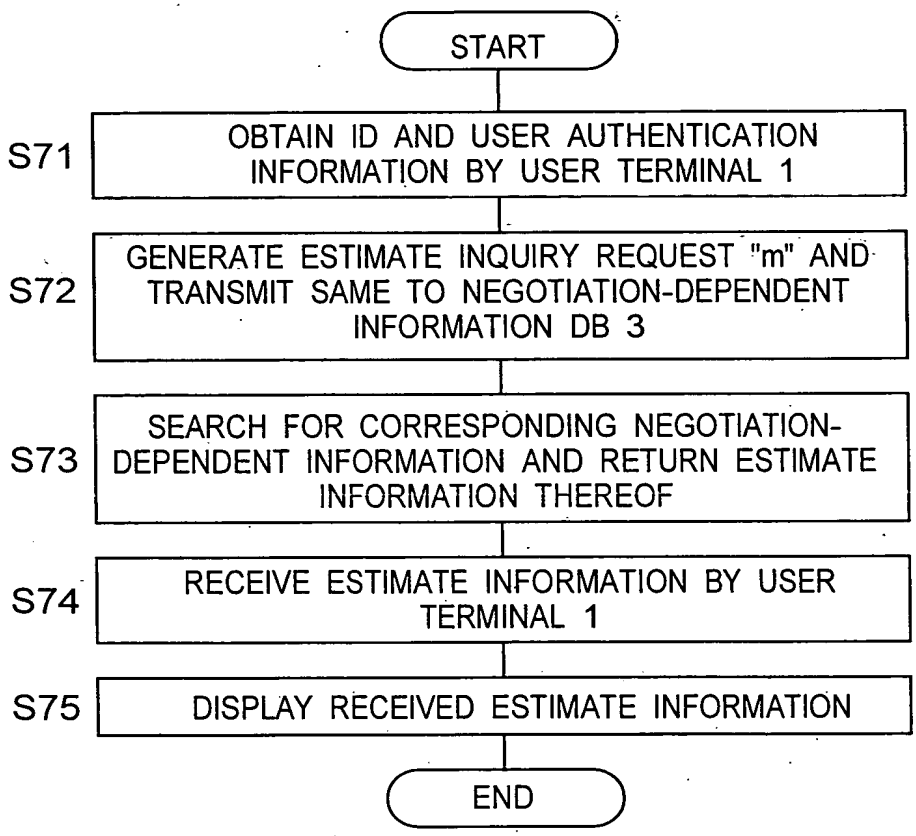

1
S60
GENERATE ESTIMATE INFORMATION UPDATE REQUEST "k" BY ESTIMATE NEWLY-CREATINGG SECTION 4 AND TRANSMIT SAME TO NEGOTIATION-DEPENDENT INFORMATION DB 3
S61
UPDATE ESTIMATE INFORMATION OF CORRESPONDING NEGOTIATION-DEPENDENT INFORMATION AND NEGOTIATION-INDEPENDENT INFORMATION ADDRESS
S62
TRANSMIT NOTIFICATION "I" TO USER TERMINAL 1 BY ESTIMATE NEWLY-CREATING SECTION 4
END

Fig.10


START
S71
OBTAIN ID AND USER AUTHENTICATION INFORMATION BY USER TERMINAL 1
S72
GENERATE ESTIMATE INQUIRY REQUEST "m" AND TRANSMIT SAME TO NEGOTIATION-DEPENDENT INFORMATION DB 3
S73
SEARCH FOR CORRESPONDING NEGOTIATION-DEPENDENT INFORMATION AND RETURN ESTIMATE INFORMATION THEREOF
S74
RECEIVE ESTIMATE INFORMATION BY USER TERMINAL 1
S75
DISPLAY RECEIVED ESTIMATE INFORMATION
END